

# Human Melanocyte [bFGF] Cell Line

**Catalogue number:** 154111

**Sub-type:** Primary

**Images:**

## Contributor

**Inventor:** Pranab K Das

**Institute:**

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Human Melanocyte [bFGF] Cell Line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** Melanocytes are the cell of origin for a number of conditions including melanoma an aggressive type of skin cancer and vitiligo a long-term condition characterised by patches of the skin losing their pigment. Melanoma is the most dangerous type of skin cancer. Globally, in 2012, it newly occurred in 232,000 people. In 2015 there were 3.1 million with active disease which resulted in 59,800 deaths. Australia and New Zealand have the highest rates of melanoma in the world. While Vitiligo affects 1% of the worlds population with no known cause. Primary melanocytes can be used as a tool for research into different melanocytic lineages

**Purpose:**

**Parental cell:** Human foreskin

**Organism:** Human

**Tissue:** Skin

**Model:** Primary line

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

Melanocyte cultures were established from neonatal foreskin using standard methods. Culture medium was supplemented with bFGF.

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:** Ham's F10 medium supplemented with 10ng/ml tetradecanoly phorbol 13-acetate (TPA), 100ng/ml bFGF, 0.1mM 3-isobutyl-methyl-xanthine (IBMX), 1% vol/vol Ultrosor G, 2mM glutamine, 100 IU/ml penicillin and 100g/ml streptomycin

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:** Liquid Nitrogen

**Shipping conditions:** Dry ice

## Related tools

**Related tools:**

# References

References:

CancerTools.org